

## Khurram Saleem Alimgeer, PhD.

House 567, Street 40                      saleem.khurram@gmail.com                      Researcher ID:F-4911-2011  
Block C, PWD colony                      ksalamgir@hotmail.com                      ORCID:0000-0001-5732-2463  
44000, Islamabad, Pakistan.                      khurram\_saleem@comsats.edu.pk                      Member IEEE 94454582  
ISCA Fellow-FC-399                      Mobile: +923335114498                      PEC#: ELECT/76559  
<http://ww3.comsats.edu.pk/faculty/FacultyDetails.aspx?Uid=319>

### International Training

**Research Associate** in Antenna and Filter designs, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK (Mar-Aug 2012)

**EDA tools training for FPGA**, Chip design and PCB design from Mentor Graphics PacRim South Headquarters, Mentor Graphics Asia Pte Ltd, 238A Thomson Road #23-07, Novena Square Tower A Singapore 307684 (Aug 2009)

### Professional Experience

(16 years)

5. **Assistant Professor** in Electrical Engineering Department at COMSATS University Islamabad, Islamabad Campus (16<sup>th</sup>, Feb 2015 to Date). Main responsibilities are Teaching and Research.

4. **Assistant Professor** in Center for Advanced Studies in Telecommunication at COMSATS Institute of Information Technology, Park Road, Islamabad (1st, September 2012 to 15 Feb 2015). Main responsibilities are Teaching, Research and Industrial collaboration related to Antenna Design, Microwave and RF.

3. **Assistant Professor** in Department of Electrical Engineering at COMSATS Institute of Information Technology, Park Road, Islamabad (30, April 2009 to 31st August 2012). Main responsibilities are Research and Teaching the courses of Digital Communication, Systems and Controls, Digital Signal Processing.

2. **Incharge Telecommunication** in Department of Electrical Engineering at COMSATS Institute of Information Technology, Park Road, Islamabad (May 2008 to August 2009). Main responsibilities were Teaching and managing the undergraduate program of Telecommunication Engineering. Taught courses were Electric Circuits Analysis I, II, Electronics I, II, Controls Engineering and Fiber Optics. Along with Faculty Management in every respect.

1. **Lecturer** in Department of Electrical Engineering at COMSATS Institute of Information Technology, H-8, Islamabad (1, September 2003 to 29, April 2009). Main responsibilities were to design and teach the courses of Assembly Language, Introduction to computers and computing, Programming I, II, Object Oriented Programming, Data Structures and Algorithms.

**Additional Activities:** Member of Editorial group, Examination Incharge (2004), Lab Incharge VLSI lab (2004), Lab Incharge Electronics lab (2005), Student Evaluation Process (2006), Member Proctorial board (2007), Class Counsellorship (2008), Member technical evaluation committee (2008), Convener Electronics and control group (2008), Active researcher, Incharge Telecommunication (2008-2009 Undergraduate Program).

### Education

**Ph.D. Electrical Engineering**, COMSATS Institute of Information Technology, Islamabad, Pakistan  
THESIS - *Notch band implementation of UWB using microstrip patch antenna*                      Mar 2009 - July 2014

**Master in Electronic Engineering**, Mohammad Ali Jinnah University, Islamabad, Pakistan. Sept, 2006

**Bachelor Engineering. (I.T)** Hamdard University, Islamabad, Pakistan.                      Aug, 2002

**B. Sc. Double Math, Physics** Govt Sadiq Egerton College, Bahawalpur.                      November, 1998

## **Memberships**

- Member, IEICE, Japan - Fellow Member International Science Congress Association. Fellow-FC-399
- Antenna Design Research Group - Birmingham, UK. - Filter Design Research Group - Birmingham, UK.
- RF and Microwave Research Group - Islamabad, Pakistan. - Member, IEEE. 94454582
- HEC approved supervisor for PhD candidates Since 2014.

## **Invited Speaker**

7. National University of Modern Languages Islamabad, “Forums of Research and Publication”. 31 October, 2016
6. International Islamic University Islamabad, “Writing Technical Reports/presentations using Modern Tools”. 5 April, 2016
5. National University of Modern Languages Islamabad, “Research and Publication”. 23 April 2015
4. National University of Modern Languages Islamabad, “Teaching Quality Assurance”. 28 November 2014
3. Air University Islamabad, “Antenna design with filtering characteristics”. 5 September 2014
2. National University of Modern Languages Islamabad, “Online signature verification”. 2 March 2007
1. International Islamic University Islamabad, “A Comparison of Interference cancellation for space time block codes in multi-rate multi-user systems”. 2 June, 2006

## **Distinctions and Honors**

- 40.Convener CEPEX Project evaluation Committee Open house Electrical Engineering Department CIIT, Islamabad (11-12 June2019)
- 39.Event organizer Robian event all Pakistan Dec 2018.
- 38.IEEE event with collaboration with FLL (Final/semifinal Round All Pakistan) 25-26 Jan, 2019.
- 37.Member interview committee for MS/PhD students, CUI 3-4 Jan 2019.
- 36.Convener interview committee for selection of lecturers, CUI 22 Dec 2018.
- 35.Convener CEPEX Project evaluation Committee Open house Electrical Engineering Department CIIT, Islamabad (14-15 May2018)
- 34.Guest judge for the evaluation of student projects in open house of NUML (10 May 2018)
- 33.Guest judge for the evaluation of student projects in open house of Air University(8 May 2018)
- 32.Member Board of Advanced studies and Research(BASR) held at IIUI (4, April 2018)
- 31.IEEE event Organizer IEEE Industrial relations 2018 held at CIIT, ISB (April 2018)
- 30.IEEE event Organizer IEEE WIE in collaboration with Fatimah Jinnah University(March 2018)
- 29.IEEE event Organizer FLL final all Pakistan held at CIIT, ISB (FEB 2018)
- 28.Member Board of Advanced studies and Research(BASR) held at IIUI (11,Jan 2018)
- 27.IEEE event Organizer FLL Semifinal all Pakistan held at CIIT (Jan 2018)
- 26.Convener CEPEX Project evaluation Committee Open house Electrical Engineering Department CIIT, Islamabad (23-24 Jan2018)
- 25.Member selection Committee NRP- Project No. 5805, Sparsity Based Reconstruction of Medical Images, FET, IIUI (22 Sept, 2017)
- 24.Member Graduate Admission Committee, EE, CIIT, (15-17 August 2017)
- 23.Selection Board Member as Electrical Engineering Subject Specialist for the post of BPS-19(Assistant Professor) in NUML (21 July 2017)
- 22.Project evaluation Committee Open house Department of Engineering and Computer Science, NUML, Islamabad (25 May2017)
- 21.Convener CEPEX Project evaluation Committee Open house Electrical Engineering Department CIIT, Islamabad (25-26 May2017)
- 20.Convener Qarz-e-Hasana Committee EE department, CIIT.( May 2017)
- 19.Selection Board Member as Electrical Engineering Subject Specialist for the post of Lecturer in University of Gujrat (21 April2017)
- 18.Convener CEPEX Project evaluation Committee Open house Electrical Engineering Department CIIT, Islamabad (17-18 Jan2017)
- 17.Project evaluation Committee Open house Physics Department CIIT, Islamabad (27 Dec 2016)

16. Selection Board Member as Electrical Engineering Subject Specialist for the post of BPS-18 in Mirpur University of Science and Technology, Azad Jammu & Kashmir (25 September 2016)
15. Event Evaluator for the student projects in open house of NUML (26 May 2016)
14. Event Evaluator for the student projects in 7<sup>th</sup> open house of IIUI (19 May 2016).
13. Guest judge for the evaluation of student projects in 6<sup>th</sup> open house of IIUI (20 May 2015).
12. Organizer Pak-China Business forum (Renewable Energy) (March 2014-2015)
11. Organizer of Mobile Monday Islamabad Chapter, (April 2010 to May 2014)
10. Organizer Pak-China Business forum (2013)
9. Chief Organizer of CEPEX2011 Quiz Competition, CIIT Islamabad. (4-5 April 2011)
8. Organizer of CEPEX2010 Quizzical Competition, CIIT Islamabad. (2-3 April 2010)
7. Honorary Judge in Nascon competition held in Fast Islamabad (17-18 April, 2010)
6. Team Trainee of 1st prize winners of Quizzical, Baharia University Islamabad (2009)
5. Project supervised and won 1st prize in FIT2009, CIIT Abbottabad (16-18 December, 2009)
4. Project supervised and won 2nd prize in EMCOT2008, CIIT Abbottabad (11-12 May, 2008)
3. Best Employ of the year 2008-2009 in Electrical Engineering Department, CIIT (Aug 2009)
2. Won scholarship in the MS studies on the basis of excellent CGPA (From 2004-2006)
1. Achieved 1st position in MS-telecommunication (Sept 2006)

#### **PhD Thesis-Supervised\*/Co-supervised\*/Supervising†(4)**

4. Afshan Shah †(SP18-PEE-003) Thesis Title:??
3. Ghulam Hafeez †(FA17-PEE-001) Thesis Title: Demand-side Management in the Smart Grid
2. Raja Mubasser Latif †(99-FET/PHDEE/F15)
1. Talha Asghar\* †

#### **MS Theses-Supervised\*/Co-supervised\*/Supervising†(19)**

19. Syed Saadullah (SP16-REE-022) Thesis Title: FPGA Implementation of Fingerprint Recognition System (June 2019)
18. Ahmed Dawood (SP17-REE-003) Thesis Title: Design and Optimization of Single Sided Slotless Axial Flux Permanent Magnet Machine (June 2019)
17. Hina Usman (FA17-REE-008) Thesis Title: Design and Optimization of Slotted Single Rotor Single Stator Axial Flux Permanent Magnet Machine (June 2019)
16. Raheem Shah (UET Peshawar) Thesis Title: Multiple input Multiple Output Antenna Design With Improved Isolation (June 2019)
15. Iftikhar Ahmad (UET Peshawar) Thesis Title: Ultra wide Band Antenna Design (June 2018)
14. Seema Ajaz (FA16-REE-014) Thesis Title: Iris segmentation & normalization for non-ideal iris Images (June 2018)
13. Muhammad Usman Khalid (FA16-REE-011) Thesis Title: Coalition among microgrids and microgrid with conventional grid to deal with surplus and deficient energy (June 2018)
12. Aqib Jamil (FA16-REE-020) Thesis Title: Towards fair coordination among micro-grids and smart homes for demand and supply side management (June 2018)
11. Muhammad Zulmanan (FA14-REE-018) Thesis Title: Compact Multi-Standard Filters for High Frequency Applications (June 2017)
10. Saba Gul (FA15-REE-028) Thesis Title: Avoiding Void Holes with Balanced Energy Consumption and Reduced End-to-end Delay in Underwater Wireless Sensor Networks (June 2017)
9. Abdul Wahab Khan (SP15-REE-046) Thesis Title: Voltage of Distribution Grid with Distributed Generators using Energy Storage System (June 2017)
8. Ghulam Hafeez (FA15-REE-030) Thesis Title: Hybrid Genetic-Wind Driven (GWD) Approach for Demand Side Management in Smart Grid (June 2017)
7. Fozia feroz (FA15-REE-033) Thesis Title: Towards Energy Management in Smart Homes with Heuristic Algorithms (June 2017)
6. Farwa Ahmed (FA15-REE-017) Thesis Title: Network lifetime maximization with Energy Hole Alleviation in Wireless Sensor Networks (June 2017)

5. Athar S. Fazal (CIIT/FA13-REE-004) Thesis Title: A compact CPW antenna for UWB communications with band notch characteristics (June 2016)
4. Usman Nasir (CIIT/FA13-REE-059) Thesis Title: A Frequency Reconfigurable Compact CPS-like Metamaterial inspired Antenna (June 2016)
3. Attiq Ur Rehman (CIIT/FA13-REE-009) Thesis Title: Design and Fabrication of a High Voltage Lightning Impulse Generator (Feb 2016)
2. Saimah Hanif Malik (CIIT/SP14-REE-083) Thesis Title: A Low Profile Planar Antenna with Frequency Suppression Characteristics. (Feb 2015)
1. Wajahat Javed (CIIT/FA12-REE-028/ISB) Thesis Title: Tropospheric Radio Refractivity Variations and Prediction for Islamabad Pakistan (Feb 2015).

#### **External Examiner in PhD Defence(2)**

2. Sarah Saeed from AIR University (PhD.-EE-091316) Thesis Title: Beam and Null Steering in FDA Radars and Other Characteristics with Different Geometries. (Aug 2016)
1. Muhammad Zeeshan from NUST (2009-NUST-DirPhD-IT-32) Thesis Title: Interference and Capacity Analysis in Wireless Mesh Network. (June 2016)

#### **Reviewer of PhD Thesis(1)**

1. Alina Mirza from NUST (2010-NUST-TfrPhD-EE-78) Thesis Title: Development of Efficient Algorithms for Impulsive Noise Reduction. (Feb 2016)

#### **External Examiner in MS Defence (18)**

18. Ahsan Raza Khan (1K022100PX10069E) Thesis Title: Day ahead short term load forecasting model for IESCO for efficient demand size management in smart grid. (Mar 2019)
17. Nabeeha Qayyum (1JZ221000700051B) Thesis Title: Energy cost minimization through home energy management in a smart grid environment. (May 2018)
16. Amjad Khan from IQRA (15663) Thesis Title: An Improved Model For Test Driven Development (Oct 2017)
15. Aliya Tabassum Abbasi from IQRA (18420) Thesis Title: Authentication and Copyright Protection of Urdu Text (A Zero-Watermarking Approach) (Oct 2017)
14. Ejaz Qamar from IQRA (20276) Thesis Title: An Optimized Handover Management System in 3G/4G-WLAN Using Genetic Algorithm (Oct 2017)
13. Sayyeda Um E Farwa from CUST (MEM153001) Thesis Title: Feasibility of Community Radio for Educational and Fringing Purposes in Universities (Aug 2017)
12. SYED IMRAN HUSSAIN SHAH from IQRA University (051-14-121417) Thesis Title: Text Steganography Utilizing XML, HTML And XHTML Markup Languages (June 2017)
11. SUFYAN MUHAMMAD KHAN from IQRA University (051-12-117541) Thesis Title: Incremental Voting Based Spectrum Sensing Model for Cognitive Radio Networks (June 2017)
10. Muhammad Imran Khan from IQRA University (051-07-17131) Thesis Title: Project Management for Software Multi-Sourcing Vendors. (Feb 2017)
9. Sadar Karamat from IQRA University (MSSE 15357) Thesis Title: Usability Issues in Library Systems at Universities in Pakistan. (Feb 2017)
8. Hanain Iqbal from IQRA University (051-14-121323) Thesis Title: An Approach for Analyzing ISO/IEC 25010 Product Quality Requirements Based on Fuzzy Logic and Likert Scale for Decision Support System. (Feb 2017)
7. Affnan Mahmood Malik from MUST University AKJ (1JY22100P810060Q) Thesis Title: -CASE STUDY OF PV-GEOTHERMAL AND PV-WIND HYBRID MICRO GRIDS. (Jan 2017)
6. Aizaz Ul Haq from ISRA University (1202-MSEE-002) Thesis Title: Sidelobe suppression in failed array antenna using memetic computing. (Jan 2016)
5. Rabeeah Bakhsh from UET Texila (UET-13S-MSEE-CASE-28) Thesis Title: Real time SNR estimation for equalized and unequalized channel, estimators and its implementations (Jan 2015)
4. Muhammad Zafarullah from IQRA ISB (114048) Thesis Title: Group Based Power Efficient Gathering

Protocol in Wireless Sensor Networks(November 2014)

3.Asghar Ali from IQRA ISB(113744) Thesis Title: A novel protocol for vehicle cluster formation and vehicle head: selection in VANETS.(November 2014)

2.Awais Farooq from IQRA ISB(13265) Thesis Title: IPV6 adoption rate and performance in the 5G wireless internets.(November 2014)

1.Saira Seemab from NUST(2011-NUST-MS PhD-CSE(E)-29) Thesis Title: Predicting Patient's Length of Stay by Mining Hospital Data (November 2014)

### **BS students Supervised**

100+ students have been supervised so far, some of the students have impact factor publications like

3.Amir Sohail, **K. S. Alimgeer**, Adnan Iftikhar, Bilal Ijaz, Kang Wook Kim, and Wahab Mohyuddin“Dual Notch Band UWB Antenna with Improved Notch Characteristics”, Microwave and Optical Technology Letters, vol. 60, no.4 pp.924-930, 2018(ISI indexed with Impact Factor:0.731)

2.Samavia Haroon et.al.“CPW-Fed triple band notched UWB antenna with reduced coupling among filter element”, Wireless Personal Communication. vol. 82, no.1, pp.495-507. May 2015(IF:0.653)

1.Zeeshan Qamar et. al. “Planar monopole UWB antenna with 5GHz dual notched band characteristics”, Przegląd Elektrotechniczny Electrical Review, vol. 88, pp.295-299, 2012. (IF:0.29).

### **Research Awards**

1. Nominated in research productivity award Pakistan Council for Science and Technology 2014-2015, 1182/1258 Sci ID 391 <http://www.pcst.org.pk/docs/RPA2014.pdf>

2. Research productivity award CIIT 2011

3. Research productivity award CIIT 2012

4. Research productivity award CIIT 2013

5. Research productivity award CIIT 2014

6. Research productivity award CIIT 2015

7. Research productivity award CIIT 2016

8. Best reviewer Award 2016 Journal of circuit, system ad computers (ISI journal with IF=0.308)

### **Editor/Reviewer/Technical Program Committee Member**

#### **Session Chair(1)**

1. IEEE International Conference on Power, Energy and Smart Grid (ICPESG-2018)

#### **Technical Program Committee Member(10)**

10. ICECCE JULY 24th-25th, 2019, SWAT SERINA HOTEL PAKISTAN.[http://www.ubuner.edu.pk/Front/icecce/org\\_com.html](http://www.ubuner.edu.pk/Front/icecce/org_com.html)

9. FIT 2017 (15th International Conference on Frontiers of Information Technology (FIT'17) ), 18-20 Dec,2017, <http://fit.edu.pk/index.php/technical-program-committee>

8. INTELLECT 2017 (First International Conference on Latest trends in Electrical Engineering & Computing Technologies), 08-09 March1,2017, <https://ccode.bahria.edu.pk/committees/technical-program-committee/>

7. CCODE 2017 (International Conference on Communication, Computing and Digital Systems), 08-09 March,2017, <https://ccode.bahria.edu.pk/committees/technical-program-committee/>

6. Frontiers of Information Technology Conference, December 19-21,2016 <http://fit.edu.pk/index.php/technical-program-committee>

5. National Software Engineering Conference, December 17,2015 <http://nsec.mcs.edu.pk/Technical%20Committee.aspx>

4. International Conference on Human Machine Interaction 2015, November 25-27,2015 <http://www.intconfhmi.com/cmt.php>

3. International Conference on Cryptography and Security, November 25-27,2015 <http://iccs.asdf.res.in/iccsomt.php>

2. National Software Engineering Conference, November 11-12,2014 <http://nsec.mcs.edu.pk/committees.aspx>

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291939-0122/>

1. Journal of Future Technologies and Communications  
<http://jftcom.org/technical-committee.html>

**Journal/Conference Reviewer(14)**

14. IEEE TENSYP 2018, The IEEE Region 10 Symposium, June 2018.
13. International Conference on Communication Technologies (ComTech-2017), 19-21 April,2017, <http://icct2017.mcs.edu.pk/Default.aspx>
12. Science and Education Publishing <http://mc.manuscriptcentral.com/iet-spr>
11. World Applied Sciences Journal <http://www.wasj.org/Index.aspx>
10. Circuit, Systems & Signal Processing (IF=1.264)  
<http://www.springer.com/engineering/circuits+%26+systems/journal/34>
9. Journal of Computational Methods in Sciences and Engineering  
<http://www.iospress.nl/journal/journal-of-computational-methods-in-sciences-and-engineering/>
8. Ad Hoc and Sensor Wireless Networks,(IF=0.478)  
<http://journals.sfu.ca/ahsw/index.php/ahsw>
7. Journal of Circuits, Systems, and Computers  
<http://www.worldscientific.com/worldscinet/jcsc>
- 6.**Reviewer-** Engineering Conference 2015 by Ripha University.
5. International Journals of Engineering & Sciences  
<http://www.ijens.org/IJENS-Researchers%20Promotion%20Group.html>,
4. Security and Communication Networks journal,(IF=0.433)
3. **Reviewer-**Wireless Personal Communication,(IF=0.97)<http://wire.edmgr.com/>
2. IET Signal Processing,(IF=0.794) <http://mc.manuscriptcentral.com/iet-spr>
1. Progress In Electromagnetic Research (PIER),(IF=1.64) <http://www.jpier.org/PIER/>

**Editor/Editorial Board Member/Member Advisory Board:(9)**

9. Innovations on Communication Theory 2014-2015, Istanbul, Turkey  
<http://inct-scoop.org/committees.php>
8. International Journal Of Computer Application And Technology  
<http://techpublication.org/index.php?page=boardmember>
7. Research Journal of Recent Sciences <http://www.isca.in/rjrs/Editorial-Board.php>
6. INTERNATIONAL JOURNAL OF UNIVERSAL SCIENCE & ENGINEERING <http://www.irapub.com/page.php?jID=26/IJUSE&pageid=1>
5. INTERNATIONAL JOURNAL OF INNOVATIONS IN SCIENTIFIC ENGINEERING <http://www.irapub.com/page.php?jID=22/IJISE&pageid=1>
4. American Journal of Computation, Communication and Control  
<http://www.aascit.org/journal/editorial?journalId=901>
3. The SIJ Transactions on Computer Networks & Communication Engineering (CNCE)  
[http://www.thesij.com/editor\\_board.php](http://www.thesij.com/editor_board.php)
2. International Journal of technology and research(IJTNR)  
<http://www.techpublications.org/index.php/IJTNR/about/editorialTeam>
1. Scientific Academic Publishing (SAP)  
<http://www.sapub.org/journal/reviewers.aspx?journalid=1008>

**Impact Factor Journal Publications(20),RG score=23.39, Total Impact Factor=37.458**

- [20]. Muhammad Atif, Seemab Iqbal, Muhammad Fakhar-e-Alam, N. Amin, **K. S. Alimgeer**, adnan ali, Aqrab-ul- Ahmed, Atif Hanif, W Aslam farooq “Structural, Morphological, Antimicrobial, and In Vitro Photodynamic Therapeutic Assessments of Novel Zn+<sub>2</sub>-Substituted Cobalt Ferrite Nanoparticles”, Results in Physics, 18 July 2019, accepted (ISI indexed impact factor of 3.042)
- [19]. M. Waseem Akram, Fazal Raziq, Muhammad Fakhar-e-Alam, Muhammad Hammad Azizd, **K. S. Al-**

- imgeer**, M.Atiff, M. Amir, Atif Hanif, W. Aslam Farooq, “Tailoring of Au-TiO<sub>2</sub> nanoparticles conjugated with doxorubicin for their synergistic response and photodynamic therapy applications”, *Journal of Photochemistry and Photobiology A: Chemistry*, 16 August 2019, <https://doi.org/10.1016/j.jphotochem.2019.112040> (ISI indexed impact factor of 3.261)
- [18]. Ghulam Hafeez, Noor Islam, Ammar Ali, Salman Ahmad, Muhammad Usman, **K. S. Alimgeer**, “A modular framework for optimal load scheduling under price-based demand response scheme in smart grid”, *processes*, Accepted 29 July 2019, (ISI indexed impact factor of 1.963)
- [17]. Shumaila Javeed, Sidra Riaz, **K. S. Alimgeer**, M. Atif, Atif Hanif, Dumitru Baleanu, “First Integral Technique for Finding Exact Solutions of Higher Dimensional Mathematical Physics Models”, *symmetry*, 2019, vol. 11(6), doi:10.3390/sym11060783, (ISI indexed impact factor of 1.256)
- [16]. Muhammad Fakhar-e-Alam<sup>1</sup>, Alvina Rafiq Butt, M. Waseem Akram, T. Munir, Akbar Ali, **K. S. Alimgeer**, Khalid Mehmood-ur-Rehman, Seemab Iqbal, Salamat Ali, Muhammad Ikram, N. Amin, Zhiming M. Wang, “Magnesium Oxide in Nanodimension: Model for MRI and Multimodal Therapy”, *Journal of nanomaterials*, vol. 2018, Article ID 4210920, 12 pages, 2018. <https://doi.org/10.1155/2018/4210920>. (ISI indexed impact factor of 1.871)
- [15]. M. Waseem Akram, Muhammad Fakhar-e-Alam, M. Atif, Alvina Rafique Butt, Ali Asghar, Yasir Jamil, **K. S. Alimgeer**, Zhiming M. Wang “In vitro evaluation of the toxic effects of MgO nanostructure in Hela cell line”, *Scientific Reports* vol. 8, Article number: 4576(2018), doi:10.1038/s41598-018-23105-y, (ISI indexed Impact Factor:4.259)
- [14]. Shumaila Javeed, **K. S. Alimgeer**, Wajahat Javed, M. Atif, Mueen Uddin “A modified artificial neural network based prediction technique for tropospheric radio refractivity”, *PLOS ONE* 13(1), 2018, (ISI indexed Impact Factor:2.806) doi: e0191103
- [13]. Maryam rasool, Bilal Ijaz, **K. S. Alimgeer**, Adnan Iftikhar, “A compact open complementary split ring resonator inspired tri band reconfigurable coplanar waveguide fed antenna”, *Microwave and Optical Technology Letters*. vol. 60, no.6, pp.1454-1459, 2018 (ISI indexed Impact Factor:0.731)
- [12]. Amir Sohail, **K. S. Alimgeer**, Adnan Iftikhar, Bilal Ijaz, Kang Wook Kim, and Wahab Mohyuddin “Dual Notch Band UWB Antenna with Improved Notch Characteristics”, *Microwave and Optical Technology Letters*. vol. 60, no.4, pp.924-930, 2018 (ISI indexed Impact Factor:0.731)
- [11]. Azmat Ullah, Suheel Abdullah Malik, **K. S. Alimgeer** “Evolutionary algorithm based heuristic scheme for nonlinear heat transfer equations”, *PLOS ONE* 13(1), 2018, (ISI indexed Impact Factor:2.806) doi: e0191103
- [10]. Muhammad Fakhar-e-Alam, Muhammad Waseem Akram, Seemab Iqbal, **K. S. Alimgeer**, M. Atif, K. Sultana, M. Willander, Zhiming M. Wang “Empirical Modeling of Physiochemical Immune Response of Multilayer Zinc Oxide Nanomaterials under UV Exposure to Melanoma and Foreskin Fibroblasts”, *Scientific reports*. (ISI indexed Impact Factor:5.228) doi:10.1038/srep46603
- [9]. **K.S.Alimgeer**, Muhammad Awais, Bilal Ijaz, , Shahid A Khan, Fazli Subhan, Naveed Khan, “Statistical Estimation and Mathematical Modeling of Tropospheric Radio Refractivity Based on Meteorological Data”, *Meteorology and Measurement Systems*. vol. 25, no. 1, pp.115-128, DOI: 10.24425/118158., 2018 (ISI indexed Impact Factor:1.598)
- [8]. Usman Nasir, A. S. Afzal, Bilal Ijaz, **K.S.Alimgeer**, M. Farhan Shafique, M. Saeed Khan “A Compact Frequency Reconfigurable CPS-like Metamaterial-Inspired Antenna”, *Microwave and Optical Technology Letters*. vol. 59, no.13 pp.596-601, 2016 (ISI indexed Impact Factor:0.545)
- [7]. Samavia Haroon, **K.S.Alimgeer**, Nihala Khalid, Bilal Tariq, Farhan Shafique, Shahid A. Khan “A Low Profile UWB Antenna with Triple Band Suppression Characteristics”, *Wireless Personal Communication*. vol. 82, no.1, pp.495-507. May 2015 (ISI indexed Impact Factor:0.653)
- [6]. **K.S.Alimgeer**, Shahid A Khan, “Weighted Average Q-Factor Calculation for Single Port Filter-Antenna Measurement”, *Journal of computational electronics*. vol 13, no.4, pp. 894-899, 2014. (ISI indexed Impact Factor:1.520)
- [5]. **K.S.Alimgeer**, Shahid A. Khan, Shahzad A. Malik, “Improved Q-factor calculations for single port Filter-Antenna measurement”, *Wireless Personal Communications*, vol.72, no.2, pp.1351-1359, 2013. (ISI indexed Impact Factor:0.653)
- [4]. BAKHSHI, Asim Dilawer, **K.S.Alimgeer**, Shahid Khan, et al. “Detection of ECG T-wave Alternans Using Maxima of Continuous-Time Wavelet Transform Ridges” *Przegld Elektrotechniczny Electrical Review*, vol. 88, no.12, pp.35-38, 2012. (ISI indexed Impact Factor:0.29)

- [3]. **K.S.Alimgeer**, Shahid Khan , Zeeshan Qamar , Syed Abbas, “Planar monopole UWB antenna with 5GHz dual notched band characteristics”, *Przegld Elektrotechniczny Electrical Review*, vol. 88, pp.295-299, 2012. (ISI indexed Impact Factor:0.29)
- [2]. Safdar Ali, Shahzad A. Malik, **K.S.Alimgeer**, Shahid A. Khan, Liaqat Ali, “Statistical Estimation of Tropospheric Radio Refractivity Derived from Ten Years Meteorological Data”, *Journal of Atmospheric and Solar-Terrestrial Physics*, vol. 77, pp.96-103, 2011.(ISI indexed Impact Factor:1.474)
- [1]. M. T. Ibrahim, M. A. Khan, **K.S.Alimgeer**, M. K. Khan, I. A. Taj, L. Guan “Velocity and pressure-based partitions of horizontal and vertical trajectories for on-line signature verification”, *Pattern Recognition*, vol. 43. no.8, pp.2817-2832, August 2010. (ISI indexed Impact Factor:3.096)

#### **ISI Indexed and Peer Reviewed Journal Publications(11)**

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## References

Prof. Dr. Ijaz Mansoor Qureshi,

Dr. Ekasit Nugoolcharoenlap

Electrical Engineering Department  
Air University, Islamabad, Pakistan.  
imqureshi@mail.au.edu.pk

School of Electronic, Electrical and Computer Engineering  
The University of Birmingham, UK  
ekasit.n@gmail.com